Internal Docket No.: TCOM0012

. Patent Application No.: 10/699,360

Filing Date: October 31, 2003 First Named Inventor:

Eric S. Olson

Title: "Systems and Methods for Reducing

Interference in CDMA Systems"

Date: March 4,2005

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

## **Information Disclosure Statement**

Pursuant to 37 C.F.R. §1.56, 1.97, and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be publishes on the face of any patent granted from this application is submitted herewith on For PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each foreign patent and publication, or portion thereof listed or herein paper. A copy of each foreign patent and publication, or portion thereof listed or herein identified, is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. §120 and identified below, is not submitted not submitted.

## Certification

This Information Disclosure Statement is submitted prior to the mailing date of the first Office Action on the merits received by Applicant in the above-identified application.

March 4, 2005 Date

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Respectfully submitted,

Steven J Shattil USPTO Reg. No. 40,170 TensorComm, Inc. 1490 W. 121st Avenue, Suite 202 Westminster, CO 80234 Phone: 303-327-4069 ext. #8

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PTO/SB/21 (09-04) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE r the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/699,360 TRANSMITTAL Filing Date Oct. 31, 2003 First Named Inventor **FORM** Eric S. Olson Art Unit **Examiner Name** (to be used for all correspondence after initial filing) Attorney Docket Number TCOM0012 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC Fee Transmittal Form Drawing(s) Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to TC Petition Amendment/Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a Proprietary Information After Final Provisional Application Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) (please Identify Terminal Disclaimer Extension of Time Request below): Request for Refund **Express Abandonment Request** CD, Number of CD(s) Information Disclosure Statement Landscape Table on CD Certified Copy of Priority Remarks Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Signature Printed name Steven J Shattil Date Reg. No. 03/04/2005 40,170 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: Signature

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Steven J Shattil

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Date

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er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO Application Number 10/699.360 Filing Date INFORMATION DISCLOSURE Oct. 31, 2003 First Named Inventor STATEMENT BY APPLICANT Eric S. Olson Art Unit **Examiner Name** (Use as many sheets as necessary) Attorney Docket Number | TCOM-0012 Sheet 1

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.¹	Document Number  Number-Kind Code <sup>2 (d known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		<sup>US-</sup> 4088955	05-09-1978	Baghdady	
		<sup>US-</sup> 4309769	01-05-1982	Taylor, Jr.	
	· -	<sup>US-</sup> 4359738	11-16-1982	Lewis	
-		<sup>US-</sup> 4665401	05-12-1987	Garrard et al.	
		<sup>US-</sup> 4670885	06-02-1987	Parl et al.	•
		<sup>US-</sup> 4780885	10-25-1988	Paul et al.	
		<sup>US-</sup> 4856025	10-08-1989	Takai	
		<sup>US-</sup> 4893316	01-09-1990	Janc et al.	
		<sup>US-</sup> 4922506	05-01-1990	McCallister et al.	
		<sup>US-</sup> 4933639	06-12-1990	Barker	
		<sup>US-</sup> 4965732	10-23-1990	Roy III et al.	
	-nu	<sup>us-</sup> 5017929	05-21-1991	Tsuda	
		<sup>us-</sup> 5099493	05-24-1992	Zeger et al.	
		<sup>US-</sup> 5105435	04-14-1992	Stilwell	
		<sup>US-</sup> 5109390	04-28-1992	Gilhousen et al.	
		<sup>US-</sup> 5119401	06-02-1992	Tsujimoto	
		<sup>US-</sup> 5136296	04-04-1992	Roettger et al.	
		<sup>US-</sup> 5151919	09-29-1992	Dent	

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Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
		EP 0558910 A1	01-25-1993	Blaupunkt-Werke GmbH	-	435973			
		EP 0610989 A2	01-31-1994	Phillips Patentverwaltung GmbH	***************************************	435973			
		JP2000-13360A	01-14-2000	NEC Corp.	***************************************	435973			
		DE 4201439 A1	07-22-1993	Daimler-Benz	***************************************	435973			
		DE 4326843 A1	02-16-1995	Richard Hirschmann GmbH & Co	•	435973			

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			Application Number	10/699,360	-
	INFORMATION DISC	CLOSURE	Filing Date	Oct. 31, 2003	
	STATEMENT BY AP	PLICANT	First Named Inventor	Eric S. Olson	_
			Art Unit		
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		<sup>US-</sup> 5218619	06-08-1993	Dent	-
		<sup>US-</sup> 5220687	06-05-1993	Ichikawa et al.	-
		<sup>US-</sup> 5224122	06-29-1993	Bruckert	
•		<sup>US-</sup> 5237586	08-17-1993	Bottomley	
•		<sup>US-</sup> 5263191	11-16-1993	Dickerson	
		<sup>US-</sup> 5280472	01-18-1994	Gilhousen et al.	
		<sup>US-</sup> 5305349	04-19-1994	Dent	
		<sup>US-</sup> 5325394	06-28-1994	Bruckert	
		<sup>US-</sup> 5343493	08-30-1994	Karimullah	
***************************************	*****************	<sup>US-</sup> 5343496	08-30-1994	Honig et al.	
		<sup>US-</sup> 5347535	09-13-1994	Karasawa et al.	
		_ <sup>US-</sup> 5353302	10-04-1994	Bi	
		<sup>US-</sup> 5386202	01-31-1995	Cochran et al.	
		<sup>US-</sup> 5390207	02-14-1995	Fenton et al.	
		<sup>US-</sup> 5394110	02-28-1995	Mizoguchi	
		<sup>US-</sup> 5396256	03-07-1995	Chiba et al.	
		<sup>US-</sup> 5437055	07-25-1995	Wheatley III	

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	İ	DE 4343959 A1	06-29-1995	Richard Hirschmann GmbH & Co		522068			
		WO 93/12590	06-24-1995	Array-Comm, Inc.	***************************************	522068			
		GB 2280575 A	02-01-1995	Roke Manor Research Limited	***************************************	522068			
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·		Application Number	10/699,360	
INFORMATION	ON DISCLOSURE	Filing Date	Oct. 31, 2003	
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Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		<sup>US-</sup> 5440265	08-08-1995	Cochran et al.	
		<sup>US-</sup> 5448600	09-05-1995	Lucas	
		<sup>US-</sup> 5481570	01-02-1996	Winters	· · · · · · · · · · · · · · · · · · ·
		<sup>US-</sup> 5506865	04-09-1996	Weaver Jr.	
		<sup>US-</sup> 5513176	04-30-1996	Dean et al.	
		<sup>US-</sup> 5533011	04-02-1996	Dean et al.	
		<sup>US-</sup> 5553098	09-03-1996	Cochran et al.	)
		<sup>US-</sup> 5602833	02-11-1997	Zehavi	1
		<sup>US-</sup> 5644592	07-01-1997	Divsalar	
		<sup>US-</sup> 5736964	04-07-1998	Ghosh et al.	
		<sup>US-</sup> 5787130	07-28-1998	Kotzin et al.	
		<sup>US-</sup> 5844521	12-01-1998	Stephens et al.	•
		<sup>US-</sup> 5859613	01-12-1999	Otto	
		<sup>US-</sup> 5872540	02-16-1999	Casabona	,
		<sup>US-</sup> 5872776 .	02-16-1999	Yang	
		<sup>US-</sup> 5926761	07-20-1999	Reed et al.	
		<sup>US-</sup> 5930229	07-27-1999	Yoshida et al.	
		<sup>US-</sup> 5953369	09-14-1999	Suzuki	

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		Application Number	10/699,360	
INFORMATION DISC	LOSURE	Filing Date	Oct. 31, 2003	
STATEMENT BY AP	PLICANT	First Named Inventor	Eric S. Olson	
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•			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		<sup>US-</sup> 5995499	11-30-1999	Hottinen et al.	
		<sup>US-</sup> 6002727	12-14-1999	Uesugi	
		<sup>US-</sup> 6014373	01-11-2000	Schilling et al.	
		<sup>US-</sup> 6018317	01-25-2000	Dogan et al.	
		<sup>US-</sup> 6088383	07-11-2000	Suzuki et al.	
		<sup>US-</sup> 6101385	08-08-2000	Monte et al.	
		<sup>US-</sup> 6104712	08-15-2000	Robert et al.	
		<sup>US-</sup> 6115409	09-05-2000	Upadhyay et al.	The state of the s
		<sup>US-</sup> 6127973	10-03-2000	Choi et al.	
		<sup>US-</sup> 6131013	10-10-2000	Bergstrom et al.	•
		<sup>US-</sup> 6137788	10-24-2000	Sawahashi et al.	
**		<sup>US-</sup> 6141332	10-31-2000	Lavaen	
		<sup>US-</sup> 6154443	11-28-2000	Huang et al.	
		<sup>US-</sup> 6157685	12-05-2000	Tanaka et al.	
· · · · · · · · · · · · · · · · · · ·		<sup>-US-</sup> 6157842	12-05-2000	Kaisson et al.	
		<sup>US-</sup> 6157847	12-05-2000	Buehrer et al.	·
***************************************		<sup>US-</sup> 6163696	12-19-2000	Bi et al.	
		<sup>US-</sup> 6166690	12-26-2000	Lin et al.	

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Initials*	No.¹	Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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INFORMAT	ION DISCLOSURE	Filing Date	Oct. 31, 2003	
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		<sup>US-</sup> 6172969	01-09-2001	Kawakami et al.	
		<sup>US-</sup> 6175587	01-15-2001	Madhow et al.	· · · · · · · · · · · · · · · · · · ·
		<sup>US-</sup> 6192067	02-20-2001	Toda et al.	
		<sup>US-</sup> 6201799	03-13-2001	Huang et al.	
		<sup>US-</sup> 6215812	04-10-2001	Young et al.	
		<sup>US-</sup> 6219376	04-17-2001	Zhodzishsky et al.	•
		<sup>US-</sup> 6222828	04-24-2001	Ohlson et al.	
		<sup>US-</sup> 6230180	05-08-2001	Mohamed	
		<sup>US-</sup> 6233229 .	05-15-2001	Ranta et al.	
		<sup>US-</sup> 6233459	05-15-2001	Sullivan et al.	
•		<sup>US-</sup> 6240124	05-29-2001	Wiedeman et al.	
		<sup>US-</sup> 6252535	06-26-2001	Kober et al.	
		<sup>US-</sup> 6256336	07-03-2001	Rademacher et al.	
		<sup>US-</sup> 6259688	07-10-2001	Schilling et al.	
		<sup>US-</sup> 6263208	07-17-2001	Chang et al.	
		<sup>US-</sup> 6275186	08-14-2001	Kong	
		<sup>⊍S-</sup> 6278726	08-21-2001	Mesecher et al.	
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miliais	No.'	Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY Applicant of Cited Document	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Τ°
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[]	NFORMATION DISCLO	SURE	Filing Date	Oct. 31, 2003	
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		<sup>US-</sup> 6282233	08-28-2001	Yoshida	
		<sup>US-</sup> 6285316	09-04-2001	Nir et al.	
		<sup>US-</sup> 6285319	09-04-2001	Rose	
		<sup>US-</sup> 6301289	10-09-2001	Bejjani et al.	
		<sup>US-</sup> 6304618	10-16-2001	Hafeez et al.	
		<sup>US-</sup> 6308072	10-23-2001	Labedz et al.	, .
		<sup>US-</sup> 6310704	10-30-2001	Dogan et al.	
***************************************		<sup>US-</sup> 6317453	11-13-2001	Chang	
		<sup>US-</sup> 6321090	11-20-2001	Soliman	
		<sup>US-</sup> 6324159	11-27-2001 ·	Mennekens et al.	
***************************************		<sup>US-</sup> 6327471	12-04-2001	Song	
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		<sup>US-</sup> 6333947	12-25-2005	van Heeswyk et al.	•
		<sup>US-</sup> 6351235	02-26-2002	Stilp	
		<sup>US-</sup> 6351642	02-26-2002	Corbett et al.	
		<sup>US-</sup> 6359874	03-19-2002	Dent	•
		<sup>US-</sup> 6362760	03-26-2002	Kober et al.	
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Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.¹	Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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	Substitute for form 1449A/PTO		Complete if Known		
		Application Number	10/699,360		
	INFORMATION DISC	LOSURE	Filing Date	Oct. 31, 2003	
	STATEMENT BY API	PLICANT	First Named Inventor	Eric S. Olson	
			Art Unit		
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Sh	eet 7	of 12	Attorney Docket Number	TCOM-0012	

			U. S. PATENT		
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code <sup>2 (f known)</sup>			Figures Appear
		<sup>US-</sup> 6380879	04-30-2002	Kober et al.	
		<sup>US-</sup> 6396804	05-28-2002	Odenwalder	
		<sup>US-</sup> 6430216	08-06-2002	Kober et al.	
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	ļ	<sup>US-</sup> 20010020912	09-13-2001	Naruse et al.	
		<sup>US-</sup> 20010021646	09-13-2001	Antonucci et al.	
		<sup>US-</sup> 20010046266	11-29-2001	Rakib et al.	
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		<sup>US-</sup> 20020172173	11-21-2002	Schilling et al.	
		<sup>US-</sup> 20030053526	03-20-2003	Reznik	
***************************************		<sup>US-</sup> 6285861	09-04-2001	Bonaccorso et al.	
		<sup>US-</sup> 3742201	06-26-1973	Groginsky	•
		<sup>US-</sup> 4713794	12-15-1987	Byington et al.	•
***************************************		<sup>US-</sup> 5377183	12-27-1994	Dent	
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			U. S. PATENT	DOCUMENTS	
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		<sup>US-</sup> 6266529	07-24-2001	Chheda	
	٠.	<sup>US-</sup> 5978413 -	11-02-1999	Bender	
		<sup>US-</sup> 6590888	07-08-2003	Ohshima	
		<sup>US-</sup> 20020176488	11-28-2002	Kober et al.	
		<sup>US-</sup> 6032056	02-29-2000	Reudink	
····		<sup>US-</sup> 4601046	07-15-1986	Halpern	-
		<sup>US-</sup> 6515980	02-04-2003	Bottomley	
		<sup>US-</sup> 6574,270	06-03-2003	Madkour	· · · · · · · · · · · · · · · · · · ·
		<sup>US-</sup> 6798737	09-28-2004	Dabak	
	······	<sup>US-</sup> 6501788	12-31-2002	Wang	•
····		<sup>US-</sup> 6801565	10-05-2004	Bottomley	
		<sup>US-</sup> 6404760	06-11-2002	Holtzman	·
		<sup>US-</sup> 6385264	05-07-2002	Terasawa	
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Examiner	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	ೄ		
initials	140.	Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	IVIIVI-DD-1111	Applicant of Cited Document	or Relevant Figures Appear	<u></u>		
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INI	FORMATION DI	ISCLC	SURE	Filing Date	Oct. 31, 2003	
ST	ATEMENT BY	APPLI	<b>ICANT</b>	First Named Inventor	Eric S. Olson	
				Art Unit		
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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				Art Unit		
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Examiner	1	Date	• *
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